

Friday Flyer – February 8, 2013

CENTER SPOTLIGHT – Florida State University -

<http://www.compadre.org/ptec/quarknet/QuarkNet.cfm?ID=126>

Contact mentor Horst Wahl for tips on successfully providing a diverse program for QuarkNet teachers.

The FSU High Energy Physics group continues to sponsor local QuarkNet efforts as it has since joining QuarkNet over ten years ago. During the past three years, the FSU center has interacted with physics-related research institutions in the community while providing learning opportunities for teachers at the National High Magnetic Field Laboratory; the Center for Advanced Power Systems; and the High-Performance Materials Institute. This physical science professional learning community continues to focus on three main concepts: modern science, nuclear and particle physics. This year's workshop agenda included conversations on particle physics with special emphasis on the Higgs boson announcements. Teachers also discussed improving physical science education. Activities dealt with a continued discussion of what happens at the atomic and subatomic scale during different particle collisions; integrating modern physics with the Common Core ELA & Literacy in Science Standards for the physics, chemistry, and physical science classes; and using physical science-related and nature of science-related reading passages in a science classroom. Also at the workshop Tom Loughran, I2U2, facilitated a one-day session on the new CMS e-Lab (<http://cmse-lab.michianastem.org/FSU>). Plans for 2012-2013 include several shorter sessions during the school year to which FSU will invite new and returning members of the physical sciences and education communities.

Congratulations to QuarkNet teacher Steve Fannin, this year's Presidential Awardee for Excellence in Mathematics and Science Teaching!

News from QuarkNet Central - Having difficulties planning this summer's workshop? Stay tuned for a special edition of the flyer that describes workshops facilitated by staff or fellows. Also check out the Friday Flyer archive for ideas from other centers. http://quarknet.fnal.gov/friday_flyers.shtml

Resource of the Week - Working at CERN - <http://youtu.be/-0SKDXwHKkA>

"What's it like working at CERN and the Large Hadron Collider - and how do you get a job there? This video answers these and other questions that have been asked by students." (from *sixtysymbols*)

Just for Fun - Why science teachers are not allowed to monitor recess.

<http://scholasticadministrator.typepad.com/.a/6a00e54f8c25c98834017c35b0326d970b-popup>

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